



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/JP98/02613 (22) International Filing Date: 15 June 1998 (15.06.98) (30) Priority Data: PO 7359 17 June 1997 (17.06.97) AU (71) Applicant (for all designated States except US): FUJISAWA PHARMACEUTICAL CO., LTD. [JP/JP]; 4-7, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 541-8514 (JP). (72) Inventors; and (75) Inventors/Applicants (for US only): MIYAKE, Hiroshi [JP/JP]; 86, Jodojinishidacho, Sakyo-ku, Kyoto-shi, Kyoto 606-8417 (JP). TAKE, Kazuhiko [JP/JP]; 3-3-2-201, Kouyoudai, Tondabayashi-shi, Osaka 584-0082 (JP). SHIGENAGA, Shinji [JP/JP]; 7-3-75-103, Yokoo, Suma-ku, Kobe-shi, Hyogo 654-0131 (JP). AZAMI, Hidenori [JP/JP]; 3-5-2-1105, Sumiregaoka, Takarazuka-shi, Hyogo 665-0847 (JP). SASAKI, Hiroshi [JP/JP]; 2-30-12, Gotenyama, Takarazuka-shi, Hyogo 665-0841 (JP). EIYU, Yoshiteru [JP/JP]; 559-1-303, Horencho,</p>	<p>Nara-shi, Nara 630-8113 (JP). NAKAI, Kazuo [JP/JP]; 1-27-18-503, Mukonosohigashi, Amagasaki-shi, Hyogo 661-0032 (JP). ISHIDA, Junya [JP/JP]; 2-2-10-202, Midorigaoka, Ikeda-shi, Osaka 563-0026 (JP). MANABE, Takashi [JP/JP]; 1-2-103, Maruyamadai, Kawanishi-shi, Hyogo 666-0152 (JP). KONISHI, Nobukiyo [JP/JP]; 22-7, Aotanai, Nagaokakyo-shi, Kyoto 617-0811 (JP). TERASAKA, Tadashi [JP/JP]; 4-7-21-A, Hata, Ikeda-shi, Osaka 563-0021 (JP). (74) Agent: SEKI, Hideo; Fujisawa Pharmaceutical Co., Ltd., Osaka Factory, 1-6, Kashima 2-chome, Yodogawa-ku, Osaka-shi, Osaka 532-8514 (JP). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	
<p>(54) Title: AROYL-PIPERAZINE DERIVATIVES, THEIR PREPARATION AND THEIR USE AS TACHYKININ ANTAGONISTS</p> <p>(57) Abstract</p> <p>This invention relates to piperazine derivatives of formula (I), wherein Y is bond or lower alkylene, R<sup>1</sup> is aryl which may have substituent(s), R<sup>2</sup> is aryl or indolyl, each of which may have substituent(s), R<sup>3</sup> is hydrogen or lower alkyl, and R<sup>4</sup> is as defined in the description, and its pharmaceutically acceptable salt, to processes for preparation thereof, to pharmaceutical composition comprising the same, and to a use of the same for treating or preventing Tachykinin-mediated diseases in human beings or animals.</p> <div style="text-align: center;"> <p>(I)</p> </div>		